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INTELLECTUAL PROPERTY LAW PATENTS, TRADEMARKS, COPYRIGHTS, UNFAIR COMPETITION AND RELATED MATTERS



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PATENT APPLICATION Docket No.: T4855.CIP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TRANSMITTAL FOR INFORMATION DISCLOSURE STATEMENT: BEFORE PAYMENT OF ISSUE FEE

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

Transmitted herewith for filing and pursuant to 37 C.F.R. § 1.97 is an Information Disclosure Statement.

Enclosed also are the following designated documents, as required under 37 C.F.R. §§ 1.97 and 1.98:

- X Form PTO-1449 list of 18 references submitted for consideration.
- X Legible copies of the listed references or their relevant portions.
- All English translations of each non-english reference, if any, within the possession, custody, control or availability of anyone designated in 37 C.F.R. § 1.56(c) (see 37 C.F.R. § 1.98(c)).

The following are included within the Information Disclosure Statement if applicable and as required under 37 C.F.R. § 1.98:

Concise explanation of relevance of each reference not in English and unaccompanied by an English translation.

 Statement that certa	in listed	references	not	enclosed	are	substantia	lly cumulative	е
of an enclosed refer	ence.	* I						

Statement that certain listed references not enclosed were previously cited by or submitted to the Office in the identified prior application which is relied upon for an earlier filing date under 35 U.S.C. § 120.

In order to secure consideration of the items designated above, one or more of the following, if required, is also enclosed:

_ Promptness Certification.

- Check No. ____ in the amount of \$ (amount in § 1.17(p)) constituting the submission fee set forth in 37 C.F.R. § 1.17(p).
- Petition for Consideration and Check No. ____ in the amount of \$(amount in § 1.17(i)(1)) constituting the petition fee set forth in 37 C.F.R. § 1.17(i)(1).
- In the event that 37 C.F.R. § 1.97(c) applies and the Examiner is not satisfied that the Promptness Certification meets the requirements of 37 C.F.R. § 1.97(e), or in any other event remediable by a fee, please credit any over payment or charge any additional fees to Deposit Account No. 20-0100 of the undersigned.

Dated this 26 day of April, 2000.

Respectfully submitted,

Steve M. Perry

Attorney for Applicant

Registration No. 45,357

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MAY 0 A 2000

PATENT APPLICATIO Group 2700 DOCKET NO. T4855.CII

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT:

Joseph O. Norris, et al

SERIAL NO.:

09/478,114

FILED:

01/04/2000

FOR:

PIEZOELECTRIC FILM SONIC

EMITTER

ART UNIT:

2747

EXAMINER:

DOCKET NO.:

T4855.CIP

CERTIFICATE OF DEPOSIT **UNDER 37 C.F.R. § 1.8**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, under 37 C.F.R. § 1.8 on the date indicated below and is addressed to Assistant Commissioner of Patents, Washington, D.C. 20231.

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97

Box: DD

Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). Applicant respectfully submits that this Information Disclosure Statement is filed pursuant to 37 C.F.R. § 1.97 (b)(1), within three months Assistant Commissioner for Patents April 26, 2000 Page 2

of the filing date of the application or before the receipt of a first office action and requests that the references cited in the enclosed form PTO-1449 be made of record in the above-captioned application. While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record believes that the references listed, together with any other references which may have been previously submitted or listed, are the closest to the claimed invention (taken in its entirety) of which the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each listed reference (or relevant portion thereof) which was not previously submitted to, or cited by, the Patent Office is also enclosed.

Since all listed references are either in the English language or are accompanied by a translation into English, no concise explanation of relevance is required under 37 C.F.R. § 1.98(a)(3).

Please charge any additional fees or credit any overpayment to Deposit Account No. 20-0100.

Assistant Commissioner for Patents April 26, 2000 Page 3

DATED this 26 day of April, 2000.

Respectfully submitted,

Steve M. Perry

Attorney for Applicant Registration No. 45,357

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PTO-1449 U.S. DEPARTMENT OF COMMERCE		Application Number	09/478,114		
,	PATENT AND DEMARK OFFICE	Filing Date	01/04/	2000 0 5	
LIST OF PRIOR	ART CITED BY APPLICANT	First Named Inventor	Joseph Norris C		
		Group Art Unit	2747	C 2000	
		Examiner Name		MAY U Z ZUUU E	
Sh	eet 1 of 1	Attorney Docket Number	T4855	CHS. "ES	

SOF & TRAVE **U.S. PATENT DOCUMENTS EXAMINER** DOCUMENT **INITIALS** NUMBER DATE **CLASS** SUBCLA NAME AA5,357,578 10/18/94 **TANIISHI** ΑB 4,593,160 06/03/86 **NAKAMURA** AC 02/15/94 SHINDEL 5,287,331 5,153,859 **CHATIGNY** AD 10/06/92 ΑE 4,672,591 06/09/87 **BREIMESSER** 12/10/85 ΑF 4,558,184 **BUSCH-VISHNIAC** AG 4,439,642 03/27/84 REYNARD 4,429,193 01/31/84 **BUSCH-VISHNIAC** ΑH ΑI 4,887,246 12/12/89 HOSSACK ET AL 4,888,086 12/19/89 ΑJ HOSSACK ET AL ΑK 4,695,986 09/22/87 HOSSACK ΑL 4,284,921 08/18/81 LEMONON ET AL 12/20/77 AM 4,064,375 RUSSELL ET AL AN 5,700,359 12/23/97 **BAUER** FOREIGN PATENT DOCUMENTS DOCUMENT TRANSLATION CLASS NUMBER DATE COUNTRY SUBCLASS YES NO OTHER PRIOR ART (Including Author, Title, Pertinent Pages, Etc. ΑO Aoki, K., et al., "Parametric Loudspeaker -- Characteristics of Acoustic Field and Suitable Modulation of Carrier Ultrasound," Electronics and Communications in Japan, Part 3, Vol. 74, No. 9, pp. 76-82 (1991). Makarov, S.N., et al., "Parametric Acoustic Nondirectional Radiator," Acustica. Vol. 77, pp. 240-242 (1992). AP Westervelt, P.J., "Parametric Acoustic Array, "The Journal of the Acoustical Society of America," Vol. 35, No. 4, pp. 535-ΑQ 537 (1963). AR Yoneyama, M., et al., "The Audio Spotlight: An Application of Nonlinear Interaction of Sound Waves to a New Type of Loudspeaker Design, J. Acoust. Soc. Am., Vol. 75, No. 5, pp. 1532-1536 (1983). **EXAMINER** DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.